

Table 1. Summary Renewable Electric Power Industry Statistics (2006)

Virginia

Primary Renewable Energy Capacity Source
Primary Renewable Energy Generation Source

Hydro Conventional
Wood/Wood Waste

<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	22,648	100.0
Total Net Summer Renewable Capacity	1,251	5.5
Geothermal	-	-
Hydro Conventional	671	3.0
Solar	-	-
Wind	-	-
Wood/Wood Waste	410	1.8
MSW/Landfill Gas	170	0.8
Other Biomass	-	-
Generation (thousand megawatthours)		
Total Electricity Net Generation	73,070	100.0
Total Renewable Net Generation	3,833	5.2
Geothermal	-	-
Hydro Conventional	1,351	1.8
Solar	-	-
Wind	-	-
Wood/Wood Waste	1,803	2.5
MSW Biogenic/Landfill Gas	661	0.9
Other Biomass	18	*

* = Absolute percentage less than 0.05.

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Capacity: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

**Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2002 - 2006
(Megawatts)**

Virginia

Energy Source	2002	2003	2004	2005	2006
Fossil	12,752	13,797	15,008	15,001	14,968
Coal	6,117	5,796	5,797	5,783	5,774
Petroleum	2,444	2,442	2,457	2,390	2,386
Natural Gas	4,191	5,558	6,754	6,828	6,809
Other Gases	-	-	-	-	-
Nuclear	3,467	3,467	3,440	3,432	3,432
Renewables	1,341	1,356	1,358	1,249	1,251
Pumped Storage	2,645	2,638	2,700	2,917	2,997
Other	-	-	-	-	-
Total	20,205	21,258	22,506	22,599	22,648

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2002 - 2006
(Megawatts)**

Virginia

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	757	780	782	672	671
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	415	408	407	409	410
MSW/Landfill Gas	168	168	168	168	170
Other Biomass	-	-	-	-	-
Total	1,341	1,356	1,358	1,249	1,251

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2002 - 2006
(Thousand Megawatthours)**

Virginia

Energy Source	2002	2003	2004	2005	2006
Fossil	46,262	47,496	47,214	47,982	42,321
Coal	38,082	37,093	35,659	35,450	34,305
Petroleum	3,793	5,780	5,137	4,276	815
Natural Gas	4,387	4,619	6,417	8,256	7,201
Other Gases	-	3	-	-	-
Nuclear	27,346	24,816	28,315	27,918	27,594
Renewables	2,939	4,043	4,048	3,982	3,833
Pumped Storage	-1,989	-1,498	-1,166	-1,421	-1,167
Other	447	453	489	481	490
Total	75,006	75,309	78,900	78,943	73,070

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2002 - 2006
(Thousand Megawatthours)**

Virginia

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	868	1,782	1,583	1,484	1,351
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	1,408	1,588	1,764	1,800	1,803
MSW Biogenic/Landfill Gas	662	647	676	677	661
Other Biomass	1	27	26	21	18
Total	2,939	4,043	4,048	3,982	3,833

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."